

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P#

Luminaire Tested: **LSR2B05WFL558040D010 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14809)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B05WFL558040D010 2LBDLC*MB
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 673.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

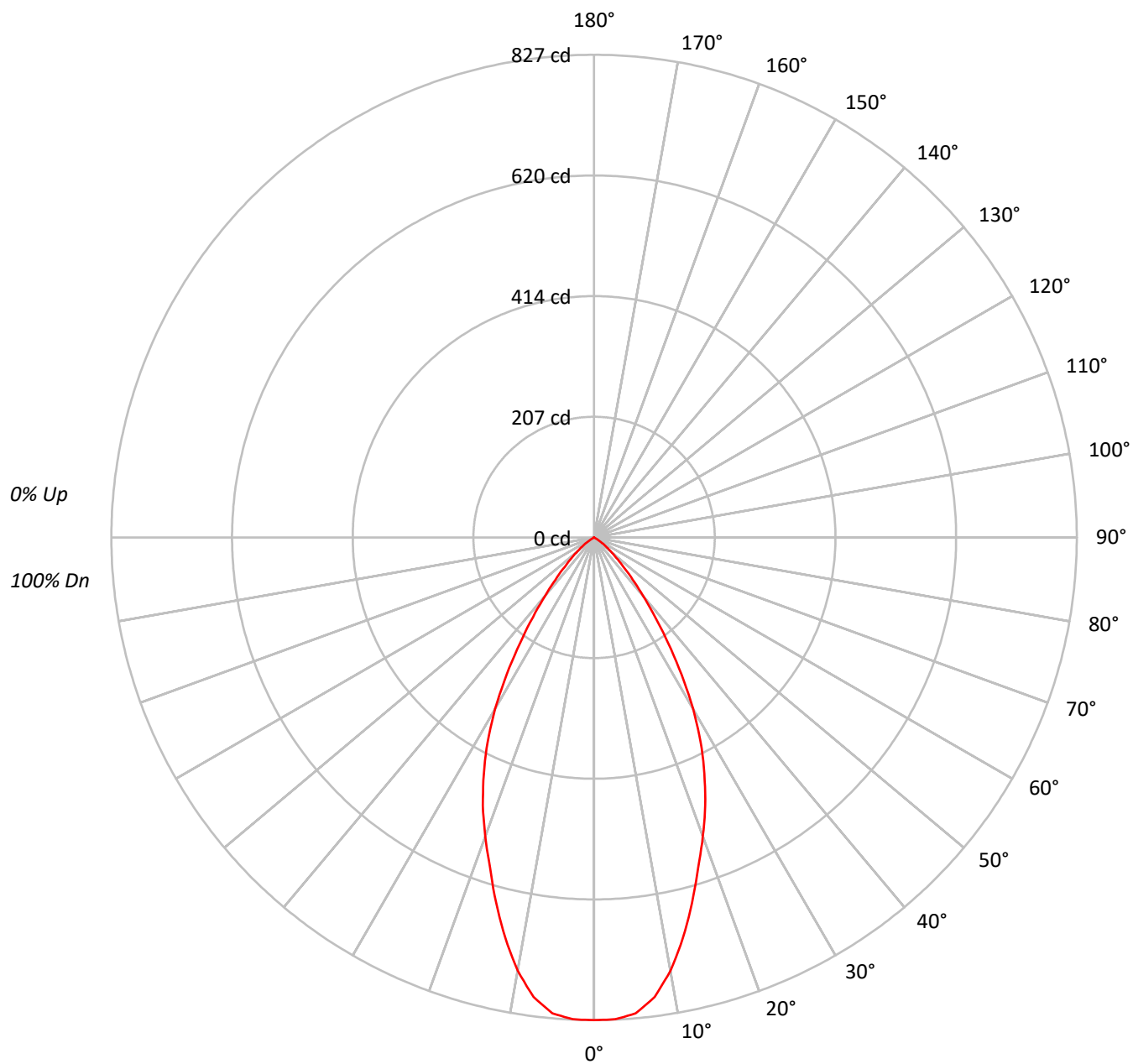
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL558040D010 2LBDLC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL558040D010 2LBDLC*MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	113	111	108	106		111	109	106	104		104	103	101			101	99	98			97
2	108	103	99	95		106	101	97	94		98	95	92			95	92	90			92
3	102	96	91	87		100	94	90	86		92	88	85			89	86	83			87
4	97	89	84	79		95	88	83	79		86	82	78			84	80	77			82
5	92	83	78	73		90	83	77	73		81	76	72			79	75	72			77
6	87	78	72	68		86	77	72	68		76	71	67			74	70	67			73
7	83	73	67	63		81	73	67	63		71	66	63			70	66	62			69
8	79	69	63	59		78	69	63	59		67	62	59			66	62	58			65
9	75	65	59	55		74	65	59	55		64	59	55			63	58	55			62
10	71	62	56	52		70	61	56	52		60	55	52			60	55	52			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	320374
5°	318332
10°	296446
15°	259975
20°	224569
25°	191043
30°	151535
35°	104550
40°	65683
45°	39167
50°	22658
55°	11413
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL558040D010 2LBDLC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	11.3
10°-20°	180.7	26.9
20°-30°	203.4	30.2
30°-40°	139.7	20.8
40°-50°	58.1	8.6
50°-60°	14.9	2.2
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	460.1	68.4
0°-40°	599.9	89.1
0°-60°	672.9	100.0
0°-90°	673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	827	
5°	819	76
15°	648	181
25°	447	203
35°	221	140
45°	72	58
55°	17	15
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL558040D010 2LBDLC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	827.1
2.5°	826.2
5°	818.7
7.5°	794.2
10°	753.7
12.5°	702.9
15°	648.3
17.5°	592.8
20°	544.8
22.5°	497.8
25°	447.0
27.5°	395.2
30°	338.8
32.5°	278.5
35°	221.1
37.5°	172.2
40°	129.9
42.5°	97.9
45°	71.5
47.5°	51.8
50°	37.6
52.5°	26.3
55°	16.9
57.5°	5.6
60°	0.9
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)